uOLT Data Link Configuration, Networks and PON Connections

***Objective:***

The objective of the following tests is to configure networks, data links and PON connections allowing traffic to flow between connected hosts and the network.

The EPL service can be configured to push a ctag, via the Datalink “add-ctag” attribute, and optional priority, via the Datalink “add-ctag-pcp” attribute, to every frame received on the configured UNI port(s).

***Procedure:***

###### Data Link Configuration

pon-ctrl onus onu onu\_1 datalinks datalink datalink\_1 admin-state enabled

uni-ports 1

sla-profile sla\_1 add-ctag 100

add-ctag-pcp 0 exit

exit exit exit exit

pon-ctrl onus onu onu\_2 datalinks datalink datalink\_2 admin-state enabled

uni-ports 1

sla-profile sla\_1 add-ctag 200

add-ctag-pcp 0 exit

exit exit exit exit

***Expected Results:***

5170\_PON> show pon-ctrl olts olt OLT\_1 onus onu ONU\_1 datalinks datalink

datalink\_1

+ DATALINK +

| Parameter | Value |

+ + +

| Name | datalink\_1|

| Admin State | Enabled |

| SLA Profile | SLA\_1 |

| UNI Ports | 1 |

| Add Ctag | 100 |

| Add-ctag-pcp | 0 |

+ + +

| Alloc-ID | 0x481 |

+ + +

5170\_PON> show pon-ctrl olts olt OLT\_1 onus onu ONU\_2 datalinks datalink

datalink\_2

+ DATALINK +

| Parameter | Value |

+ + +

| Name | datalink\_2|

| Admin State | Enabled |

| SLA Profile | SLA\_1 |

| UNI Ports | 1 |

| Add Ctag | 200 |

| Add-ctag-pcp | 0 |

+ + +

| Alloc-ID | 0x482 |

+ + +

NNI interface Configuration

***Procedure:***

pon-ctrl olts olt OLT\_1 nni-networks nni-network NNI\_1 match-stag 0

match-ctag-1 65535

match-ctag-2 65535 tag-action none

exit exit exit exit exit

***Expected Results:***

5170\_PON> show pon-ctrl olts olt OLT\_1 nni-networks

+ NNI NETWORKS +

| Name | S-Tag | C-Tag1 | C-Tag2 | Tag Action |

+ + + + + +

| NNI\_1 | None | Any | Any | None |

+ + + + + +

PON Connection Configuration

***Procedure:***

pon-ctrl onus onu ONU\_1 OLT\_1 pon-connections pon-connection PON\_CON\_1

datalink datalink\_1 nni-network NNI\_1 match-ctag-1 100

match-ctag-2 0

match-stag 0 tag-action none

exit

exit exit exit exit

pon-ctrl onus onu ONU\_2 OLT\_1 pon-connections pon-connection PON\_CON\_2

datalink datalink\_2 nni-network NNI\_1 match-ctag-1 200

match-ctag-2 0

match-stag 0 tag-action none

exit exit exit exit exit

***Expected Results:***

5170\_PON> show pon-ctrl olts olt OLT\_1 onus onu ONU\_1 pon-connections

+ PON CONNECTIONS +

| Name | NNI Network | Datalink | S-Tag | C-Tag1 | C-Tag2 | Tag Action |

+ + + + + + + +

| PON\_CON\_1 | NNI\_1 |datalink\_1| None | 100 | None | None |

+ + + + + + + +

5170\_PON> show pon-ctrl olts olt OLT\_1 onus onu ONU\_2 pon-connections

+ PON CONNECTIONS +

| Name | NNI Network | Datalink | S-Tag | C-Tag1 | C-Tag2 | Tag Action |

+ + + + + + + +

| PON\_CON\_2 | NNI\_1 |datalink\_2| None | 200 | None | None |

+ + + + + + + +

Test Case Results:

Passed: Yes No Verified by Date/Time Comments